

(b) comparing the gene expression profile to a database comprising quantitative gene expression information from a liver cell or tissue sample that has been exposed to at least one hepatotoxin selected from the group consisting of amitryptiline, ANIT, acetaminophen, carbon tetrachloride, cyproterone acetate, diclofenac, estradiol, indomethacin, valproate, and WY-14643.

89. A method of claim 55, 82 or 84, wherein the cell sample comprises hepatocytes.

90. A nucleic acid array for predicting at least one toxic effect of a compound, wherein the nucleic acids are identified by a process comprising identifying genes that are differentially expressed in a cell or tissue sample exposed to a hepatotoxin selected from the group consisting of amitryptiline, ANIT, acetaminophen, carbon tetrachloride, cyproterone acetate, diclofenac, estradiol, indomethacin, valproate, and WY-14643.

91. A kit for predicting at least one toxic effect of a compound, the kit comprising a nucleic acid array of claim 90.

REMARKS

It is respectfully submitted that no prohibited new matter is being introduced by the entry of this amendment. Support for the amended claims can be found throughout the specification and in the original claims. New claims 55-62, 64-67, 72-74 and 84-88 are supported, for example, at page 15, line 17, through page 16, line 6, at page 17, line 27, through page 18, line 3, and at page 3, lines 12-18. New claim 63 is supported at page 16, lines 17-23. New claims 68 and 70 are supported at page 22, line 23, through page 23, line 16, and new claim 69 is supported at page 33, lines 18-27. New claim 71 is supported at page 15, line 17, through page 16, line 6, and at page 8, line 31, through page 9, line 28. Further, new claims 75-81 are supported at page 32, line 20, through page 33, line 26. New claim 82 is supported by the specification at page 41, line 4, through page 42, line 14, and new claim 83 is supported at page 40, lines 12-18. Lastly, new claim 90 is supported at page 22, line 13, through page 23, line 17, and new claim 91 is supported at page 33, line 29, through page 34, line 3.

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If there are any fees due in connection with the filing of this amendment, please charge
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Respectfully submitted,
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